5VR
R19 10K
R54 10K
R53 10K
R52 10K
R51 10K
R50 10K

J2 CON8: AUDIO_SW+, AUDIO_RETURN, AUDIO_L, AUDIO_R, KEY_R, KEY_T, X, PTT
J7 CON8

J8 MIC4PIN
C3 .01uF
R18 2.2K
C1 33uF

J1 CON8: 1DVR, DCRTN, ROW1, ROW2, COL_DATA_A(1), COL_DATA_B(1), COL_DATA_C(1), COL_DATA_D(1)

J32 TMP
C21 .01uF

S1 D1 ANT1_M
S2 D8 ANT1_S
S3 D7 ANT2_M
S4 D6 ANT2_S
S5 D5 RX_M
S6 D4 RX_S
S7 D14 VFOA_TX
S8 D3 VFOB_TX
S9 D13 VFOA_RX
S10 D12 VFOB_RX
S11 D11 VFOA_S_RX
S12 D10 VFOB_S_RX
S13 PWR
S14 MON

S15 SEND1
S16 SEND2
S17 SEND3
S18 USER1
S19 USER2
S20 RECALL
S21 NB
S22 NR
S23 NOTCH
S24 VOX
S36 S_TUNE
S37 MIC
S38 TUNE
S39

C20 .01uF
U4 74HC154: VCC, GND, A, B, C, D, G1, G2, Q0–Q15

S25 AN
S26 MODE
S27 PREAMP
S28 RF
S29 SPOT
S30 STEP
S31 SWEEP
S32 AGC
S33 ATTN
S34 MENU
S35 AUDIO
S40 VFOA>M
S41 VFOB>M
S42
D15 LOCK1

S43 D9 LOCK2
S44 D16 RIT
S45 D17 XIT
S46 D18 MAIN_RX
S47 D19 SUB_RX
S48 160
S49 80
S50 40
S51 A>B
S52 30
S53 20
S54 17
S55 B>A
S56 15

S57 12
S58 10
S59 A/B
S60 VFOA ENTER
S61 0
S62 .
S63 VFOB ENTER

C19 .01uF
U5 74HC154: VCC, GND, A, B, C, D, G1, G2, Q0–Q15

J3 CON8: 3.3VR, ROW3, ROW4, ROW5, COL_DATA_A, COL_DATA_B, COL_DATA_C, COL_DATA_D

MULTI S64 E3
HI/LO CUT S65 E4
PBT/BW S66 E5
RIT/XIT S67 E6
MAIN AF S68 E7
SUB AF S69 E8

ENC1 J17 1 2 3 4 5
ENC2 J16 1 2 3 4 5

J14 CON8: ENC1A, ENC1B, ENC2A, ENC2B, ENC3A, ENC3B, ENC4A, ENC4B
J15 CON8: ENC5A, ENC5B, ENC6A, ENC6B, ENC7A, ENC7B, ENC8A, ENC8B

R43, R42, R41, R40, R39, R38, R37, R36, R35, R34, R33, R32
R32–R43 100K
C6–C17 .001uF
R20–R31 10K

J24 → J31: ROW5, COL13, COL12, COL11, COL10, COL9
J25 → J30: COL8, ENC3A, ENC3B, ENC4A, ENC4B, ENC5A
J26 → J29: ENC5B, ENC6A, ENC6B, ENC7A, ENC7B, ENC8A
J27 → J28: ENC8B, PBT, BW, HICUT, LOWCUT, DIGRTN

D20 PBT
D21 BW
D22 HIGH CUT
D23 LOW CUT

R14–R17 150

J6 CON8: 5VR, 5VR, LEDDATA, ENAB6, LED_DIM_PWM, SCLK, DIGRTN, DIGRTN

R56 220
R58 220
R57 220
R60 4.7K
C18 .01uF

U8 UCN6810SLW: DIN, ST, BLNK, CLK, LOAD+, VCC, GND, NC, Q1–Q10, SER
SUB_RX, MAIN_RX, LOCK1, XIT, RIT, LOCK2

R55 220
R44–R49 68
R1–R12 68
ANT1_M, ANT1_S, ANT2_M, ANT2_S, RX_M, RX_S, VFOA_TX, VFOB_TX, VFOA_RX, VFOB_RX

U6 UCN6810SLW
C4 .01uF

R59 220
U7 UCN6810SLW
C5 .01uF
R11–R12 68
R13 150
VFOA_S_RX, VFOB_S_RX, ALC
D2

TEN-TEC		
Title	565 KEYPAD	
Size C	Document Number A8	REV
Date: March 10, 2003	Sheet 1 of 1	